



ABSTRACT OF THE DISCLOSURE

A method for operating a mobile equipment (ME 10) in a wireless network (12), the method having steps of determining a parameter that is indicative of a signal quality experienced by the ME, such as by determining a speed of the ME; (B) calculating in the ME an indication of quality, the calculation employing a filtering operation having a filter length that is a function of the determined parameter, such as speed or derivative of the (C) reporting the calculated speed of the ME; and indication of link quality to the wireless network. The step of determining includes steps of (a) deriving an indication of ME speed in the wireless network; and (b) transmitting the speed indication to the ME using a pointto-point message. In a preferred embodiment the step of transmitting places the ME speed indication in padding bits of the point-to-point message, such as one sent on a Packet Associated Control Channel (PACCH). In a most preferred embodiment the step of transmitting uses a plurality of bits placed into padding bits of Packet a Identification 13 (PSI13) message sent on the Packet Associated Control Channel (PACCH). The plurality of bits (e.g., four bits) are used to encode a plurality of speed subranges (e.g., 16 subranges) of a predetermined ME speed range (e.g., 0km/hr to 250km/hr). The indication of ME speed is used to one of modify or replace a forgetting factor "a" that is calculated using a parameter received in from the wireless network. a broadcast message forgetting factor influences the length a running average filter that operates on link quality measurement data, such as a mean Bit Error Probability (BEP) or a coefficient of variation of the BEP.